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### 1 [Names, addresses and identities in ambient networks](#)

Bengt Ahlgren, Lars Eggert, Börje Ohlman, Jarno Rajahalme, Andreas Schieder  
 September 2005 DIN '05: Proceedings of the 1st ACM workshop on Dynamic interconnection of networks

**Publisher:** ACM

Full text available: [pdf\(644.14 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

*Ambient Networks* interconnect independent realms that may use different local network technologies and may belong to different administrative or legal entities. At the core of these advanced internetworking concepts is a flexible naming architecture ...

**Keywords:** addressing, ambient networks, bindings, identities, indirection, internetworking, naming, resolution


## 2 Delivering Attribute Certificates over GPRS



Georgios Kambourakis, Angelos Rouskas, Stefanos Gritzalis

March 2004 SAC '04: Proceedings of the 2004 ACM symposium on Applied computing 2004

**Publisher:** ACM

Full text available:  [pdf\(182.76 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Attribute Certificates (ACs) have been developed and standardized by the ANSI X9 committee as an alternative and better approach, to X.509 public key certificates, for carrying authorization information. Attribute Authorities (AA) bind the characteristics ...

**Keywords:** GPRS, PKI, UMTS, attribute certificates, performance evaluation

## 3 vGPRS: a mechanism for voice over GPRS

Ming-Feng Chang, Yi-Bing Lin, Ai-Chun Pang

March 2003 Wireless Networks, Volume 9 Issue 2

**Publisher:** Kluwer Academic Publishers

Full text available:  [pdf\(256.70 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper proposes vGPRS, a voice over IP (VoIP) mechanism for general packet radio service (GPRS) network. In this approach, a new network element called VoIP mobile switching center (VMSC) is introduced to replace standard GSM MSC. Both standard GSM ...

**Keywords:** GGSN, GPRS, SGSN, VoIP, gatekeeper

## 4 Enhanced privacy and authentication for the global system for mobile communications

Chii-Hwa Lee, Min-Shiang Hwang, Wei-Pang Yang

July 1999 Wireless Networks, Volume 5 Issue 4

**Publisher:** Kluwer Academic Publishers

Full text available:  [pdf\(204.97 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)


The Global System for Mobile Communications (GSM) is widely recognized as the modern digital mobile network architecture. Increasing market demands point toward the relevancy of security-related issues in communications. The security requirements of ...

## 5 PCS mobility management using the reverse virtual call setup algorithm

Chih-Lin I, Gregory P. Pollini, Richard D. Gitlin

February IEEE/ ACM Transactions on Networking (TON), Volume 5 Issue 1  
1997

**Publisher:** IEEE Press

Full text available:  pdf(280.50  
KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Keywords:** PCS, mobility management, personal communications, reverse virtual call setup

## 6 A man-in-the-middle attack on UMTS



Ulrike Meyer, Susanne Wetzel

October WiSe '04: Proceedings of the 3rd ACM workshop on Wireless security  
2004

**Publisher:** ACM

Full text available:  pdf(119.74  
KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we present a man-in-the-middle attack on the Universal Mobile Telecommunication Standard (UMTS), one of the newly emerging 3G mobile technologies. The attack allows an intruder to impersonate a valid GSM base station to a UMTS subscriber ...

**Keywords:** GSM, UMTS, authentication, man-in-the-middle attack, mobile communication


## 7 Self-tuning cost modeling of user-defined functions in an object-relational DBMS



Zhen He, Byung Suk Lee, Robert Snapp

September ACM Transactions on Database Systems (TODS), Volume 30 Issue  
2005 3

**Publisher:** ACM

Full text available:  pdf(1.42  
MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Query optimizers in object-relational database management systems typically require users to provide the execution cost models of user-defined functions (UDFs). Despite this need, however, there has been little work done to provide such a model. The ...

**Keywords:** K-nearest neighbors, cost modeling, object relational DBMS, quadtree, query optimization, self-tuning

## 8 [aMAZEd: designing an affective social game for children](#)



Abdullah Al Mahmud, Omar Mubin, Johanna Renny Octavia, Suleman Shahid, LeeChin Yeo, Panos Markopoulos, Jean-Bernard Martens

June 2007 IDC '07: Proceedings of the 6th international conference on Interaction design and children

**Publisher:** ACM

Full text available: [pdf\(463.40 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper discusses a design case, which explores the potential of psychophysiological measures as an input technique for social gaming applications intended for children. aMAZEd is an example of a tabletop mixed reality game that supports social interaction ...

**Keyw ords:** children, psychophysiological input, social gaming, tabletop augmented reality

## 9 [Exploiting open functionality in SMS-capable cellular networks](#)



William Enck, Patrick Traynor, Patrick McDaniel, Thomas La Porta

November 2005 CCS '05: Proceedings of the 12th ACM conference on Computer and communications security

**Publisher:** ACM

Full text available: [pdf\(611.26 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Cellular networks are a critical component of the economic and social infrastructures in which we live. In addition to voice services, these networks deliver alphanumeric text messages to the vast majority of wireless subscribers. To encourage the expansion ...

**Keyw ords:** denial-of-service, open-functionality, sms, telecommunications

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